

PROJECT 10073 RECORD CARD

1. DATE 8 February 1963		2. LOCATION 39.30N 172.30W (Pacific)		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input checked="" type="checkbox"/> Other Satellite (ECHO)	
3. DATE-TIME GROUP Local _____ GMT 08/1720Z		4. TYPE OF OBSERVATION <input type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input checked="" type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE Military			
7. LENGTH OF OBSERVATION 15 minutes		8. NUMBER OF OBJECTS one		9. COURSE NNE	
10. BRIEF SUMMARY OF SIGHTING Round glowing light sighted moving North, northeast at 30 dgr elevation. Object disappeared at 20 dgr above the horizon after 15 minutes. Disappearance by fading.				11. COMMENTS Apparently orbital in nature. No mention of change in speed or course. ECHO data not available. Case considered as a probable satellite observation. ECHO (KOS 10) LOST AT 17:42 Heading NE at 177.77W. DEFINITE ECHO SIGHTING	

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 4230 (8 Feb 63)F/joe

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SMB B267

INFO : NIN-17, XOP-1, XOPX-2, SAF-OS-3
ARMY-2, CMC-8, JCS-35, OSD-15, CIA-11
NSA-7, DIA-15, DIA-CIIC-2 (119)

ZCHQA225ZCQJA312

OO RUEAHQ

DE RUHLKH 7

ZNR

O 081900Z

FM 326TH AIRDIV KUNIA FACILITY HAWAII

TO RUHLKM/PACAF HICKAM AFB HAWAII

RUHPQ/COMHAWSEAFRON PEARL HARBOR HAWAII

RUKAC/COMALSEAFRON KODIAK ALASKA

RUWSPG/COMWEST SEAFRON SAN FRANCISCO CALIF

INFORUEAHQ/COFS USAF WASHINGTON D. C1

4UWGAL/CINCNORAD WNT AFB COLO.

RUHPAXCINCPAC CP HM SMITH HAWAII

RUHPB/CINCPACFLT PEARL HARBOR HAWAII

L YGHGHCQKCOMUSFAPAN FUCHU AS JAPAN

RUAMCR/ COMUSKOREA

RUAGFL/COMUSTDC TAIPEI TAIWAN

RUCSBR/CINCSAC OFFUTTEDBEZA

R

/CDMASWFORPAC FORD ISLAND HAWAII

RUECW/CNO WASHINGTON D. C.

RUECW/SECNAV WASHINGTON D.C.

BT

UNCLAS/CIRVIS REPORT/NAVY 43186 ,UFO, ROUND GLOWING LIGHT SIZE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 4230 (8 Feb 63)

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OF PINHEAD, VISUAL SIGHTING 30 DEG ABOVE THE HORIZON BEARING 130
DEG TRUE FROM 39 DEG 30 MIN NORTH, 172 DEG 30 MIN WEST, HEADING
NNE AT 1720Z, FADED AT 1735Z, 080 DEG TRUE 20 DEG ABOVE THE
HORIZON, SPEED UNK. AIRCRAFT AT FL100, GS 200, CUS ON TOP
THE CLOUDS IN THE CLEAR.

NO EVALUATION.

BT NOTE: ADV CY TO XOPX, NIN AND DIA
08/1908Z FEB RUHLKH

NNNN

JANUARY 1963

SATRELLITE 1980 1014 1 3000 1

These predictions are based on orbital elements revised on January 28, 1963.
T₀ = January 29.0, times are in days, U.T.
Argument of perigee = $8728 + 47162 (t - T_0)$
Right ascension of ascending node = $255^h 06^m 3 - 3^s 2627 (t - T_0)$

Inclination = $47^{\circ}2469$
 Semimajor axis = $0.035210 - 2.161 \times 10^{-4} (t-T_0)$
 Semimajor axis = 7.841130 megameters
 Mean anomaly (Rev.) = $6.74414 + 12.461969 (t-T_0) - 1.37 \times 10^{-6} (t-T_0)^2$

SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES								SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES															
EQUATOR S-N				SOUTH-NORTH				NORTH-SOUTH				EQUATOR S-N				SOUTH-NORTH				NORTH-SOUTH			
TIME (UT)	LONG. (W)	LAT.	CORR.	TIME (UT)	LONG. (W)	HT. (MI)	BEAR. (N-E)	TIME (UT)	LONG. (W)	HT. (MI)	BEAR. (N-E)	TIME (UT)	LONG. (W)	LAT.	CORR.	TIME (UT)	LONG. (W)	HT. (MI)	BEAR. (N-E)	TIME (UT)	LONG. (W)	HT. (MI)	BEAR. (N-E)
FEBRUARY 2, 1963								FEBRUARY 6, 1963															
1 37.4	273.92	47.5	27.2	-83.09	851	90.0	90.0	1 37.4	273.92	47.5	27.2	-83.10	815	90.0	90.0	1 37.4	273.92	47.5	27.2	-83.15	815	90.0	90.0
3 42.8	303.13	45.0	22.2	-60.97	812	72.2	72.2	3 42.8	303.13	45.0	22.2	-60.97	786	72.2	72.2	3 42.8	303.13	45.0	22.2	-60.97	851	107.8	107.8
5 28.3	332.33	40.0	18.2	-45.74	786	60.7	60.7	5 28.3	332.33	40.0	18.2	-45.73	770	60.7	60.7	5 28.3	332.33	40.0	18.2	-45.73	884	119.4	119.4
7 23.7	1.53	35.0	15.3	-36.10	772	54.0	54.0	7 23.7	1.53	35.0	15.3	-36.09	762	54.0	54.0	7 23.7	1.53	35.0	15.3	-36.09	910	126.1	126.1
9 19.2	30.74	30.0	12.8	-28.75	762	49.4	49.4	9 19.2	30.74	30.0	12.8	-28.73	759	49.4	49.4	9 19.2	30.74	30.0	12.8	-28.73	933	130.6	130.6
11 16.6	59.94	20.0	8.3	-17.41	753	43.7	43.7	11 16.6	59.94	20.0	8.3	-17.39	762	43.7	43.7	11 16.6	59.94	20.0	8.3	-17.39	974	136.4	136.4
13 10.1	89.14	0.	0.	0.	767	40.0	40.0	13 10.1	89.14	0.	0.	0.	785	39.9	39.9	13 10.1	89.14	0.	0.	0.	1039	140.2	140.2
15 5.5	118.35	-20.0	-8.4	17.38	816	43.7	43.7	15 5.5	118.35	-20.0	-8.4	17.35	858	43.7	43.7	15 5.5	118.35	-20.0	-8.4	17.35	1079	136.4	136.4
17 1.0	147.55	-30.0	-13.1	28.67	854	49.4	49.4	17 1.0	147.55	-30.0	-13.1	28.63	901	49.4	49.4	17 1.0	147.55	-30.0	-13.1	28.63	1286	130.7	130.7
18 56.4	176.75	-35.0	-15.7	36.01	878	54.0	54.0	18 56.4	176.75	-35.0	-15.7	35.94	926	53.9	53.9	18 56.4	176.75	-35.0	-15.7	35.94	1349	126.1	126.1
20 51.9	205.98	-40.0	-18.7	45.61	907	60.7	60.7	20 51.9	205.98	-40.0	-18.7	45.53	955	60.6	60.6	20 51.9	205.98	-40.0	-18.7	45.53	1379	119.4	119.4
22 47.3	235.16	-45.0	-22.9	60.79	946	72.2	72.2	22 47.3	235.16	-45.0	-22.9	60.68	991	72.2	72.2	22 47.3	235.16	-45.0	-22.9	60.68	1363	107.8	107.8
		-47.5	-28.2	82.83	993	90.0	90.0			-47.5	-28.2	82.70	1032	90.0	90.0			-47.5	-28.2	82.70	1332	90.0	90.0
FEBRUARY 3, 1963								FEBRUARY 7, 1963															
0 42.8	264.36	47.5	27.2	-83.09	841	90.0	90.0	0 42.8	264.36	47.5	27.2	-83.10	808	90.0	90.0	0 42.8	264.36	47.5	27.2	-83.15	808	90.0	90.0
2 38.2	293.57	45.0	22.2	-60.97	804	72.2	72.2	2 38.2	293.57	45.0	22.2	-60.96	781	72.2	72.2	2 38.2	293.57	45.0	22.2	-60.96	842	107.8	107.8
4 35.7	322.77	40.0	18.2	-45.74	781	60.7	60.7	4 35.7	322.77	40.0	18.2	-45.72	767	60.7	60.7	4 35.7	322.77	40.0	18.2	-45.72	874	119.3	119.3
6 29.1	351.97	35.0	15.3	-36.10	768	54.0	54.0	6 29.1	351.97	35.0	15.3	-36.08	742	54.0	54.0	6 29.1	351.97	35.0	15.3	-36.08	899	126.0	126.0
8 24.6	21.19	30.0	12.8	-28.75	760	49.4	49.4	8 24.6	21.19	30.0	12.8	-28.73	760	49.4	49.4	8 24.6	21.19	30.0	12.8	-28.73	921	130.6	130.6
10 20.0	50.38	20.0	8.3	-17.41	754	43.7	43.7	10 20.0	50.38	20.0	8.3	-17.39	766	43.7	43.7	10 20.0	50.38	20.0	8.3	-17.39	962	136.4	136.4
12 15.5	79.58	0.	0.	0.	772	40.0	40.0	12 15.5	79.58	0.	0.	0.	803	39.9	39.9	12 15.5	79.58	0.	0.	0.	1030	140.2	140.2
14 11.0	108.79	-20.0	-8.4	17.37	825	43.7	43.7	14 11.0	108.79	-20.0	-8.4	17.34	869	43.7	43.7	14 11.0	108.79	-20.0	-8.4	17.34	1075	136.4	136.4
16 6.4	137.99	-30.0	-13.1	28.67	865	49.4	49.4	16 6.4	137.99	-30.0	-13.1	28.61	913	49.4	49.4	16 6.4	137.99	-30.0	-13.1	28.61	1285	130.7	130.7
18 1.9	167.19	-35.0	-15.8	35.99	890	54.0	54.0	18 1.9	167.19	-35.0	-15.8	35.92	937	53.9	53.9	18 1.9	167.19	-35.0	-15.8	35.92	1385	126.1	126.1
19 57.3	194.40	-40.0	-18.9	45.59	918	60.6	60.6	19 57.3	194.40	-40.0	-18.9	45.51	966	60.6	60.6	19 57.3	194.40	-40.0	-18.9	45.51	1382	119.4	119.4
21 52.0	225.60	-45.0	-23.0	60.76	957	72.2	72.2	21 52.0	225.60	-45.0	-23.0	60.66	1001	72.2	72.2	21 52.0	225.60	-45.0	-23.0	60.66	1368	107.3	107.3
23 48.2	254.80	-47.5	-28.4	82.80	1003	90.0	90.0	23 48.2	254.80	-47.5	-28.4	82.67	1040	90.0	90.0	23 48.2	254.80	-47.5	-28.4	82.67	1340	90.0	90.0
FEBRUARY 4, 1963								FEBRUARY 8, 1963															
1 43.7	284.01	47.5	27.2	-83.10	831	90.0	90.0	1 43.7	284.01	47.5	27.2	-83.09	801	90.0	90.0	1 43.7	284.01	47.5	27.2	-83.14	801	90.0	90.0
3 39.1	313.21	45.0	22.2	-60.97	797	72.2	72.2	3 39.1	313.21	45.0	22.2	-60.96	777	72.2	72.2	3 39.1	313.21	45.0	22.2	-60.96	833	107.8	107.8
5 34.6	342.41	40.0	18.2	-45.74	776	60.7	60.7	5 34.6	342.41	40.0	18.2	-45.71	766	60.7	60.7	5 34.6	342.41	40.0	18.2	-45.71	866	119.3	119.3
7 30.0	11.62	35.0	15.4	-36.10	765	54.0	54.0	7 30.0	11.62	35.0	15.4	-36.07	762	54.0	54.0	7 30.0	11.62	35.0	15.4	-36.07	886	126.0	126.0
9 25.5	40.62	30.0	12.8	-28.74	759	49.4	49.4	9 25.5	40.62	30.0	12.8	-28.72	762	49.4	49.4	9 25.5	40.62	30.0	12.8	-28.72	911	130.6	130.6
11 20.9	70.02	20.0	8.3	-17.40	756	43.7	43.7	11 20.9	70.02	20.0	8.3	-17.38	771	43.7	43.7	11 20.9	70.02	20.0	8.3	-17.38	951	136.4	136.4
13 16.4	92.23	0.	0.	0.	780	40.0	40.0	13 16.4	92.23	0.	0.	0.	812	39.9	39.9	13 16.4	92.23	0.	0.	0.	1020	140.2	140.2
15 11.8	128.43	-20.0	-8.3	17.37	836	43.7	43.7	15 11.8	128.43	-20.0	-8.3	17.33	880	43.7	43.7	15 11.8	128.43	-20.0	-8.3	17.33	1070	136.4	136.4
17 7.3	157.69	-30.0	-13.2	28.66	877	49.4	49.4	17 7.3	157.69	-30.0	-13.2	28.60	924	49.4	49.4	17 7.3	157.69	-30.0	-13.2	28.60	1283	130.7	130.7
19 2.7	186.84	-35.0	-15.8	35.93	902	54.0	54.0	19 2.7	186.84	-35.0	-15.8	35.91	949	53.9	53.9	19 2.7	186.84	-35.0	-15.8	35.91	1285	126.1	126.1
20 58.2	216.04	-40.0	-18.9	45.57	931	60.6	60.6	20 58.2	216.04	-40.0	-18.9	45.48	976	60.6	60.6	20 58.2	216.04	-40.0	-18.9	45.48	1383	119.4	119.4
22 53.6	245.24	-45.0	-23.1	60.74	969	72.2	72.2	22 53.6	245.24	-45.0	-23.1	60.63	1011	72.2	72.2	22 53.6	245.24	-45.0	-23.1	60.63	1373	107.8	107.8
		-47.5	-28.5	82.77	1014	90.0	90.0			-47.5	-28.5	82.64	1047	90.0	90.0			-47.5	-28.5	82.64	1348	90.0	90.0
FEBRUARY 5, 1963								FEBRUARY 9, 1963															
0 49.1	274.43	47.5	27.2	-83.10	823	90.0	90.0	0 49.1	274.43	47.5	27.2	-83.09	795	90.0	90.0	0 49.1	274.43	47.5	27.2	-83.14	795	90.0	90.0
2 44.5	303.63	45.0	22.2	-60.97	791	72.2	72.2	2 44.5	303.63	45.0	22.2	-60.95	774	72.2	72.2	2 44.5	303.63	45.0	22.2	-60.95	825	107.8	107.8
4 40.0	332.85	40.0	18.2	-45.73	773	60.7	60.7	4 40.0	332.85	40.0	18.2	-45.70	745	60.7	60.7	4 40.0	332.85	40.0	18.2	-45.70	855	119.3	119.3
6 35.4	2.05	35.0	15.4	-36.09	763	54.0	54.0	6 35.4	2.05	35.0	15.4	-36.06	744	54.0	54.0	6 35.4	2.05	35.0	15.4	-36.06	877	126.0	126.0
8 30.9	31.26	30.0	12.9	-28.74	759	49.4	49.4	8 30.9	31.26	30.0	12.9	-28.71	765	49.4	49.4	8 30.9	31.26	30.0	12.9	-28.71	899	130.6	130.6
10 26.3	60.46	20.0	8.4	-17.40	759	43.7	43.7	10 26.3	60.46	20.0	8.4	-17.37	776	43.7	43.7	10 26.3	60.46	20.0	8.4	-17.37	939	136.4	136.4
12 21.8	89.66	0.	0.	0.	787	39.9	39.9	12 21.8	89.66	0.	0.	0.	822	39.9	39.9	12 21.8	89.66	0.	0.	0.	1010	140.2	140.2
14 17.2	118.67	-20.0	-8.3	17.36	847	43.7	43.7	14 17.2	118.67	-20.0	-8.3	17.32	892	43.7	43.7	14 17.2	118.67	-20.0	-8.3	17.32	1064	136.4	136.4
16 12.7	149.07	-30.0	-13.2	28.64	889	49.4	49.4	16 12.7	149.07	-30.0	-13.2	28.58	936	49.4	49.4	16 12.7	149.07	-30.0	-13.2	28.58	1280	130.7	130.7
18 8.1	177.27	-35.0	-15.9	35.96	914	53.9	53.9	18 8.1	177.27	-35.0	-15.9	35.89	960	53.9	53.9	18 8.1	177.27	-35.0	-15.9	35.89	1284	126.1	126.1
20 3.6	206.48	-40.0	-19.0	45.55	942	60.6	60.6	20 3.6	206.48	-40.0	-19.0	45.46	987	60.6	60.6	20 3.6	206.48	-40.0	-19.0	45.46	1384	119.4	119.4
21 59.0	235.68	-45.0	-23.2	60.71	990	72.2	72.2	21 59.0	235.68	-45.0	-23.2	60.60	1021	72.2	72.2	21 59.0	235.68	-45.0	-23.2	60.60	1377	107.8	107.8
23 54.5	264.88	-47.5	-28.6	82.74	1023	90.0																	